रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.—(D.N.) 128/91

भारत का राजपत्र
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No. 11] NEW DELHI, SATURDAY, MARCH 16, 1991 (PHALGUNA 25, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 16th March, 1991

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 16 मार्च 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पांडिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिविधि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भारावेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

REGISTRATION OF PATENT AGENT

The following person has been registered as Patent Agent.

Shri S.G. Prabhakharan,
152, Thambu Chetty Street,
Madras-600 001.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135 of the Patents Act, 1972

5th February, 1991

110/Cal/91 Communications Satellite Corporation. Low loss 360 degree X-band analog phase shifter.

7th February, 1991

111/Cal/91 Orissa Cement Limited. Method for producing castable refractory.

112/Cal/91 Fort Gloster Industries Limited. Method for the manufacture of thermoplastic composition.

113/Cal/91 Samsung Electronics Co. Ltd. An improved video signal recording system.

114/Cal/91 Deutsche Thomson-Brandt GmbH. Circuit arrangement for generating a cut-off voltage for switching diodes.

115/Cal/91 Atochem North America, Inc. Process for the preparation of alkane- and-arenesulfonamides.

116/Cal/91 Simens Aktiengesellschaft. Steam generator.

117/Cal/91 Hoechst Aktiengesellschaft. N-Acylaminoalkyl 2-hydroxyethyl sulfides and a process for their preparation.

118/Cal/91 Hoechst Aktiengesellschaft. Process for the preparation of 3-nitrobenzensulfonyl chloride.

119/Cal/91 Hoechst Aktiengesellschaft. Process for the preparation of 3'-aminopropyl 2-sulfatoethyl sulfone.

8th February, 1991

120/Cal/91 G.K. Plastics Pvt. Ltd. Improvements in or relating to the manufacture of polymeric battery separator.

121/Cal/91 KSB Aktiengesellschaft. A spiral housing made of sheet metal.

122/Cal/91 General Electric Company. Active magnetic seal.

123/Cal/91 General Electric Company. Tube mounting apparatus including wire retainer.

124/Cal/91 General Electric Company. Gas turbine catalytic combustor with preburner and low NOx emissions.

125/Cal/91 General Electric Company. Breech loaded fuel nozzle.

126/Cal/91 Hy Kraamer. Article of footwear having improved midsole.

127/Cal/91 Golden Valley Microwave Foods, Inc. Flat-faced package for improving the microwave popping of corn.

11th February, 1991

128/Cal/91 Hitachi Construction Machinery Co. Ltd. Valve apparatus and hydraulic drive system.

12th February, 1991

129/Cal/91 Sri Santanu Roy. The manufacture of a non CFC poly sulfite polymeric foam.

130/Cal/91 DE La Rue Giori S.A. Plant for manufacturing a mold in the form of multi-impression plastic plate, in particular for reproducing intaglio printing plates, and method of actuating the plant.

131/Cal/91 Digital Equipment Corporation. Fault recovery apparatus associated with a central processing unit of a data processing system.
[Divisional date 28th June, 1988]

132/Cal/91 Flamagas S.A. Liquefied gas kitchen lighter.

133/Cal/91 Taito Co. Ltd. Preventive agent against infectious disease of crustacea.

134/Cal/91 Licentia Patent-Verwaltunga-GmbH. Automatic cut-out with an electromagnetic release organ.

135/Cal/91 Simens Aktiengesellschaft. A multi-panel distribution board with a bus bar system.

136/Cal/91 E.I.Du Pont De Nemours and Company. An improved vapor control system for vapor degreasing-defluxing equipment.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

17th December, 1990

336/Bom/90 Rueben Maller. A flexible liquid container.

337/Bom/90 Shaikh Moosa. An electric power source.

19th December, 1990

338/Bom/90 Hindustan Lever Ltd. Cosmetic composition.

20th December, 1990

339/Bom/90 Indian Oil Corpn. Ltd. Awax dispersant for diesel fuels.

340/Bom/90 Shreekrishin Choithram Matlani. An mosquito repellent or destroyer by liquid vaporising method.

341/Bom/90 The Director, The Automotive Research Association of India. A process for manufacturing composite FRP mono leaf spring for transport vehicles & mon leaf, springs made by said process.

21st December, 1990

342/Bom/90 Rohit Harichchandra Parikh. A lappet Hook for ring frames in textile industry.

343/Bom/90 Rohit Harichchandra Parikh. An oil control collar for suction tube of yarn oiling device.

344/Bom/90 Krishnan Raman Mundachali. Method of manufacture of safety doors.

24th December, 1990

345/Bom/90 Surendra Jeet Singh Sandhu. Modern sound amplifier.

26th December, 1990

346/Bom/90 Shree Pestonji N. Contractor. Night driving vehicle glasses.

347/Bom/90 Sistla Satya Venkata Krishna Rao. Simultaneous packet numbering system (SPaNS) for numbering currency notes or any documents.

348/Bom/90 Jitendrakumar Wamanrao Deshmukh. Multipurpose irrigation system.

27th December, 1990

349/Bom/90 Ingersoll-Rand (India) Ltd. Single cylinder hydraulic Pneumatic Feed Machanism to operate more than one powerhead component of a machine or equipment or an external part.

350/Bom/90 Vasant Bapu Patil. Improvement in or relating to non return & foot valve.

351/Bom/90 Outokumpu Oy. Method & apparatus for feeding air into a flotation cell.

31st December, 1990

352/Bom/90 Hemant Madhukar Ranadive. Three-dimensional mixer.

353/Bom/90 Technicraft Industries. Improved process forming internal threads on sheet metal components particularly drum closures & a machine thereof.

3rd January, 1991

1/Bom/91 Ratnakar Vinayak Sharangpani. A hydraulically operated spanner like device.

4th January, 1991

2/Bom/91 Vishnu Ganesh Bhide & Arvind Gopal Jogalekar. Automated Bicycle.

7th January, 1991

3/Bom/91 Swastic Rubber Products Ltd. Flexible Bio-Gas Plant.

4/Bom/91 Marathe Research Foundation. Earth leakage and insulation tester for long period testing without any moving parts.

8th January, 1991

5/Bom/91 Hindustan Lever Limited. 10th Jan. 1990, Gr. Britain. Shampoo Composition.

6/Bom/91 Sanjay Raja & Others. Securiscan & Securicard.

7/Bom/91 Rajeshbhai Fulabhai Patel. Process for preparing harmless (Ayurvedic) Pan Masala.

9th January, 1991

8/Bom/91 Mahesh Pranlal Badani. Magnetic and/or radio frequency (RF) shielding system forming float mounted structure for use in Magnetic resonance imaging (MRI) medical and other applications.

10th January, 1991

9/Bom/91 Krishanan Raman Mundachali. Method of manufacture of quick punch.

11th January, 1991

10/Bom/91 Hoechst India Limited. A process for the production of new antifungal antibiotics M 87 1563 A and M 87 1563 B from a Streptomycete species Y-85, 21242 (Culture Number Hoechst India Limited Y-85, 21242) Its mutants or variants.

14th January, 1991

11/Bom/91 Ghansyam Shankar Tasgaonkar. Automobile Radiater Cooling System.

12/Bom/91 Shri Virendra Ratilal Desai, Shri Shailesh Ratilal Desai & Shri Kamlesh Ratilal Desai. Reflector for Solar Energy.

13/Bom/91 Muralidhar Narayan Desai. Two design of cathode for formation of dectrolylic wire bars from copper scraps.

15th January, 1991

14/Bom/91 Wockhardt Limited. Packing box cum display tray.

15/Bom/91 Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. An improved kiln to carbonize continuously agricultural waste to fine char.

16/Bom/91 Hindustan Lever Ltd. 16th Jan. 1990, Gr. Britain. Computer-controlled spray-drying process.

17/Bom/91 Hindustan Lever Ltd. 19th Jan. 1990, Gr. Britain. Detergent compositions & process for preparing them.

17th January, 1991

18/Bom/91 Cadila Laboratories Ltd. Device for the treatment of maleimpotency.

18th January, 1991

19/Bom/91 Anand Govind Bhide. A wind power convertor with vertical shaft, tilting sails & safety device.

20/Bom/91 Hindustan Lever Ltd. 22nd Jan. 1990, Gr. Britain. Detergent compositions.

21/Bom/91 Hindustan Lever Ltd. 23rd Jan. 1990, Gr. Britain. Bleaching process & bleach compositions.

22/Bom/91 Sensitive Industries. Improvements in or relating to diesel engines.

21st January, 1991

23/Bom/91 Laxman Shankarrao Nikam. A process for the manufacture of a Medicinal Cigarette.

24/Bom/91 Rajan Bhogate. Improved dot matrix printer printhead producing letter quality printout.

23rd January, 1991

25/Bom/91 (1) Director IIT, Powai, (2) Dr. Pragati Mukhopadhyay (3) Dr. Satish B. Ogale. Fabrication of stable & highly A/B-axis oriented superconducting Y-Ba-Cu-O films on crystalline garnet substrates by laser deposition.

25th January, 1991

26/Bom/91 Larsent & Toubro Limited. An improved mechanical switching device such as contactor.

27/Bom/91 Hoechst India Ltd. A process for the production of new antibiotics, Aranorosinol-A & Aranorosinol-B from a fungal culture number Y-30,499.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61 WALLAJAH ROAD, MADRAS-600 002

21st January, 1991

32/Mas/91 Kaveri Engineering Industries Ltd. A process for the treatment of highly polluting waste waters.

33/Mas/91 Trotignon Jean-Pierre. A three-dimensional celluar wall produced by extruding a semisoft substance through a die and allowing it to harden beyond the die. (Divisional to Patent Application No. 261/MAS/87).

34/Mas/91 Veg-Gasinstituut N.V. and Comprimo B.V. A process for the selective oxidation of sulfur. (Divisional to Patent Application No. 272/MAS/87).

35/Mas/91 Catalitica Associates. An improved process for the conversion of reactant into a reaction product. (Divisional to Patent Application No. 231/MAS/87)

36/Mas/91 View-Master Ideal Group, Inc. A stereoscopic Viewer. (Divisional to Patent Application No. 313/MAS/87)

22nd January, 1991

37/Mas/91 Societe Des Produits Nestle S.A. Sal olein, a process for its preparation and cosmetic compositions containing it.

38/Mas/91 Unimetal. Method and device for forming coils of metal wire.

39/Mas/91 Novo Nordisk A/S. A process and apparatus for mixing and injecting a medicine.

40/Mas/91 Teiryo Sangyo Co., Ltd. Digital data reader of digital data recording sheet.

41/Mas/91 Mobil Oil Corporation. C_2-C_3 Olefin oligomerization by reduced chromium catalysis.

42/Mas/91 Girivas Viswanath Shet. A mosquito & high flying insect killer.

43/Mas/91 Maschinenfabrik Rieter AG. Spinning frame with drafting cylinders for conveyance of slivers.

44/Mas/91 Enichem Synthesis S.p.A. Liquid composition polymerisable to organic glasses endowed with a high abrasion strength. (Divisional to Patent Application No. 233/MAS/87).

45/Mas/91 Robert Bosch GmbH. Fuel-injection pump for diesel internal-combustion engines.

46/Mas/91 The Boots Company PLC. Therapeutic agents. (February 2, 1990; Great Britain).

24th January, 1991

47/Mas/91 Applied Medical Research, Ltd. Compositions and methods for alleviating menopausal symptoms.

48/Mas/91 Inventio AG. Device and equipment for the immediate target call allocation in lift groups by reason of operating cost and of variable bonus and penalty point factors.

49/Mas/91 F C B. Pneumatic centrifugal separator.

50/Mas/91 Owens-Illinois Closure Inc.. Child resistant closure.

51/Mas/91 The Boots Company PLC. Therapeutic agents. (February 6, 1990; Great Britain).

52/Mas/91 Pro-Neuron, Inc. A wound healing composition. (Divisional to Patent Application No. 310/MAS/89).

25th January, 1991

53/Mas/91 Nokia-Maillefer Holding S.A. A guiding device for a machine for winding wire-like goods.

54/Mas/91 Union Oil Company. Drag Analysis Method.

28th January, 1991

55/Mas/91 Gene Wylie Adams. A system for locating and distinguishing targets.

56/Mas/91 Ampex Corporation. Magnetic record medium having discrete magnetic storage and saturable layers and magnetic signal processing apparatus and method using the medium. (Divisional to Patent Application No. 368/MAS/87).

29th January, 1991

57/Mas/91 RAYCHEM LIMITED. Circuit Protection. (January 30, 1990; Great Britain).

58/Mas/91 Minnesota Mining and Manufacturing Company. Recording head core yoke with full length core support.

59/Mas/91 Peter Joseph Jackson. A pressure regulator. (May 7, 1986; Great Britain) (Divisional to Patent Application No. 323/MAS/87).

30th January, 1991

60/Mas/91 Institut De Recherches De La Siderurgie Francaise (en abrege IRSID). Metallurgical vessel equipped with at least one electrode passing through its wall.

61/Mas/91 Aware, INC. Improved method and apparatus for representing an image.

62/Mas/91 Zellweger Uster AG. Device for singularizing healds for warp-thread drawing-in machines.

63/Mas/91 Societe des Produits Nestle S.A. and Golden Hope Plantations Berhad. Improved cocoa fermentation.

64/Mas/91 Nokia Cables Ltd. A connector.

65/Mas/91 Board of Trustees. Layered double hydroxide sorbents for the removal of SO_X from fluegas and other gas streams.

31st January, 1991

66/Mas/91 Nehezvegyipari Kutato Intezet and Eszakmagyarorszagi Vegyimuvek. Herbicidally active substituted sulfonyl urea derivatives and a process for the preparation thereof.

67/Mas/91 Zellweger Uster Ltd. Yarn Testing Method.

1st February, 1991

68/Mas/91 Polyene General Industries Private Limited. A method of manufacture of venturi type lavatory chutes for railway coaches.

69/Mas/91 Dasaprakash Private Limited. A process for the preparation of rice idly.

70/Mas/91 Dasaprakash Private Limited. A process for the preparation of bakala bhat.

71/Mas/91 Dasaprakash Private Limited. A process for the preparation of bisibele hulianna.

72/Mas/91 Haldor Topsoe A/S. Heat exchange reforming process and reactor system.

73/Mas/91 Hamlin Transmission Corporation. Variable ratio drive system.

74/Mas/91 Pier Lorenzo Vannucci and Gianfranco Cecchinelli. Percussion sawing machine to saw stone blocks into slabs.

75/Mas/91 Kabushiki Kaisha Toshiba. PWM-controlled power supply.

76/Mas/91 Mobil Oil Corporation. Solid block and random elastomeric copolymers.

77/Mas/91 Mobil Oil Corporation. Method of synthesising a selective olefin hydrogeneration catalyst.

78/Mas/91 Mobil Oil Corporation. Vulcanazable liquid compositions.

79/Mas/91 Degesch GmbH. Method and means for preventing or delaying undesired phosphine levels. (May 14, 1988; Great Britain); (Divisional to Patent Application No. 38/MAS/89).

ALTERATION OF DATE UNDER SECTION 16

168359 (889/Mas/88) : Ante-dated to October 04, 1985.

168360 (896/Mas/88) : Ante-dated to May 14, 1985.

OPPOSITION PROCEEDINGS

(1)

The Opposition entered by Kinetic Engineering Limited, Pune to the grant of Patent on Application No. 166903 made by M/s. Bajaj Auto Limited, Pune as notified in the Gazette of India, Part III, Section 2 dated 23rd February, 1991 has been allowed and Patent Application No. 166903 has been treated as abandoned.

(2)

An Opposition entered By WIMCO & CO. LTD., Bombay and National Research Development Corporation of India, New Delhi to the grant of Patent on Application No. 158803 made by Shri Madhu Jivanlal Saraiya Bombay as notified in the Part III, Section 2 of the gazette of India dated 12th September, 1987 has been dismissed and it is hereby ordered that the application shall proceed to sealing in the prescribed manner.

(3)

The Opposition entered by M/s. Hindustan Lever Limited, Bombay to the grant of a Patent on Application No. 158206 made by M/s. Godrej Soaps Limited, Bombay as notified in the Part III, Section 2 of the Gazette of India dated 7th March, 1987 has been dismissed and it is ordered that the application shall proceed for sealing in the prescribed manner.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (PATENTS)

(1)

Assignments, Licences or other transactions affecting the interests of the original Patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests.

156623 — Raju Manikant Kothari and Virendra Kantilal Shah.

(2)

Assignments, Licences or other transactions affecting the interests of the original Patentees have been registered in the following cases.

The number of each case is followed by the names of the parties claiming interest :—

161739 — ENICHEM SYNTHESIS S.p.A.

(3)

Assignments, Licences or other transactions affecting the interests of the original Patentees have been registered in the following cases.

The number of each case is followed by the names of the parties claiming interest :—

163361 — PALIMONDIAL S.A.

(4)

Assignments, Licences or other transactions affecting the interests of the original Patentees have been registered in the following cases.

The number of each case is followed by the names of the parties claiming interest :—

160790 — DE BEERS CONSOLIDATED MINES LIMITED

PATENTS SEALED

155435 166551 166561 166563 166564 166565 166570 166571 166572 166582 166584 166585 166588 166589 166591 166593 166624 166826 166830 166853 168877

CAL — 4

DEL — 8

MAS — 9

BOM—NIL

RENEWAL FEES PAID

145808 145816 146392 146516 146968 146969 147057 147058 147546 147547 147808 148613 148962 149492 149503 149516 149540 149844 149882 150188 151070 151071 151125 151258 152087 152088 152141 152153 152345 152670 152723 152790 152818 152999 153047 153095 153103 153178 153225 153347 153381 153401 153570 153848 153897 154041 154049 154238 154655 154656 154657 154688 154689 154700 154845 154847 154885 154984 154993 155010 155266 155337 155388 155623 155691 156083 156392 156399 156854 156906 156928 156981 157006 157008 157011 157023 157024 157063 157094 157250 157332 157434 157504 157798 157958 158126 158142 158146 158191 158211 158241 158247 158279 158312 158313 158314 158362 158378 158435 158477 158536 158610 158614 158659 158669 158857 158858 158941 158980 158981 159068 159115 159148 159168 159213 159416 159929 160090 160091 160093 160096 160216 160352 160409 160570 160714 160978 161049 161066 161162 161236 161267 161269 161283 161285

161344 161379 161417 161478 161483 161634 161719 161800 161824 161829 161917 162092 162123 162245 162294 162321 162323 162324 162325 162665 162791 162867 163000 163059 163091 163175 163228 163278 163288 163716 163902 163917 163995 164035 164049 164109 164207 164548 164574 164650 164657 164894 165034 165045 165161 165182 165189 165190 165222 165252 165271 165280 165299 165344 165348 165470 165570 165656 165841 165861 165921 165986 165989 166037 166370 166462.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

Classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 37-A 168321
Int. Cl. : B 04 c 5/08, 5/081.

CYCLONE SEPARATOR.

Applicant : NOEL CARROLL, OF "STRATHALBYN", THE CRESCENT, SASSAFRAS, 3787 IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

Inventors : (1) MARTIN THOMAS THEW, (2) DERE-KALAN COLMAN.

Application No. 301/Cal/1987 filed on 20th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A cyclone separator comprising elements, designed sized and arranged for treating a mixture of liquids for separating a more dense component from a less dense component thereof, the separator comprising :

(a) an elongated separating chamber having a longitudinal axis of symmetry between opposite first and second ends, the separating chamber being of greater cross-sectional dimension at the first end that at the second end, the separating chamber having an overflow outlet and at least one underflow outlet; and

(b) at least one tangentially directed feed inlet proximate to the first end and disposed in a plane containing a secondary axis which extends from the longitudinal axis in a direction normal thereto, characterized in that the profile of said separating chamber is at least in part of generally cubic form.

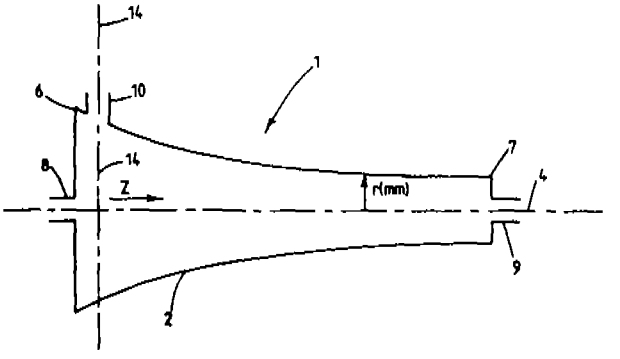


Fig. 1

Compl. Specn. 9 Pages. Drg. 1 Sheet.

Cl. : 168—F; H 168322
Int. Cl. : G 09 b 11/04; G 09 f 13/00.

A GUIDED WRITING SYSTEM-CUM-VARIABLE DISPLAY DEVICE FOR ALPHA-NUMERIC CHARACTERS, AND THE LIKE.

Applicant & Inventor : RALPH HABER HOYECK, OF 80, SOMERVILLE AVE., WESTMOUNT, QUE., H3Z 1J5, CANADA.

Application No. 308/Cal/1987 filed on 20th April, 1987.

Convention date on 21st April, 1986; No. 507, 178 and 23rd October, 1986; No. 521183; Both are CANADA.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A guided writing system-cum-variable display device for alpha-numeric characters consisting of guiding points located at the main intersections of the lines of a common symbol, as defined herein, and as particularly illustrated in Figure 16 of the accompanying drawings, representing a group of alpha-numeric characters, and of displaying means along the lines of the individual symbols of characters to be displayed, said displaying means being located at the said main intersections of the lines of the said common symbol, and a trying/joining means, whereby the desired character is capable of being displayed by the trying/joining means and the displaying means.

Compl. Specn. 27 Pages. Drgs. 20 sheets.

Cl. : 123 168323
Int. Cl. : B 01 j 2/02, C 05 c 1/02, 9/00.

PROCESS FOR OBTAINING PRILLED MINERAL FERTILIZERS AND PRILLED MINERAL FERTILIZERS THEREBY PRODUCED.

Applicants and Inventors : (1) MARK EFREMOVICH IVANOV, OF SIMFEROPOLSKY BULVAR, 16, KORPUS 3, KV. 68, MOSCOW; (2) ANOTOLY SHNEEROVICH BERKOVICH, OF 4 VESHNYAKOVSKY PROEZE, 5, KORPUS 2, KV. 7, MOSCOW; (3) ANDREI BORISOVICH IVANOV, OF 4 VESHNYAKOVSKY PROEZD, 5, KORPUS 2, KV. 7, MOSCOW; (4) VIKTOR MARKOVICH OLEVSKY, USSR, MOSCOW, LENINGRADSKY PROSPEKT, 75 A, kv. 91; (5) MAXIM LEIBOVICH FERD, USSR, MOSCOW, ULITSA MURANOVSKAYA, 11, KV. 106; (6) JURY DMITRIEVICH BARBASHOV, USSR, MOSCOW, ULITSHIROKAYA, 1, KORPUS 1, KV. 129; (7) VALENTIN IVANOVICH ZVEREV, USSR, MOSCOW, ULITSA DONETSKAYA, 12, KV. 33; (8) KAPITOLINA MIKHAILOVNAZAKHAROVA, USSR, MOSCOW, MALY LEVSHINSKY PEREULOK, 5, KV. 32; (9) VIKTOR MIKHAILOVICH LINDIN, USSR, MOSCOW, SAMARKANDSKY BULVAR, 15, KORPUS 4, KV. 90; (10) BORIS IOSIFOVICH MALKIN, USSR, MOSCOW, 5 PARKOVAYA ULITSA, 25, KV. 36; (11) ANATOLY PETROVICH PONOMAREV, USSR, MOSCOW, ULITSA DUBHNINSKAYA, 22, KORPUS 2, KV. 8; ALL ARE U.S.S.R. NATIONALS.

Application No. 366/Cal/1987 filed on 5th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A process for obtaining prilled mineral fertilizers from a melt, consisting in dividing the melt of a mineral fertilizer into droplets in the division zone of a prilling tower accompanied by formation of dustlike mineral fertilizer particles, crystallizing in a known manner the melt droplets in the course of their free falling in the crystallization zone of the prilling tower to form agglomerates or 'prills', which is attended by formation of dustlike mineral fertilizer particles, and continuously discharging the thus-formed prills from the said crystallization zone, the melt processing steps mentioned above being carried out in the medium of atmospheric air, which is made to circulate along a circuit incorporating the aforesaid crystallization zone and the purification and cooling zone of the prilling tower, or the aforesaid crystallization zone, the aforementioned multiplication zone and the purification and cooling zone, the air passing through the aforementioned zones in the sequence stated hereinabove, and while flowing along the aforesaid circuit through the crystallization zone, or through the crystallization zone and the division zone, is being heated by virtue of the heat withdrawn from the melt droplets and the formed prills, and captures the dustlike mineral fertilizer particles, and while passing through the purification and cooling zone, the compressed air is subjected to simultaneous purification from the dustlike mineral fertilizer particles captured before hand, cooling and compressing, by being sprinkled with a washing liquid broken up into droplets; the values (q) of the washing liquid concentration is self depending on the air flow velocity (u) effective in the crystallization zone, according to the following formula :

$$q = 1{,}33\,\frac{r \cdot \rho \cdot X \cdot S_2}{\varsigma \quad S_1}\,u^2\,\frac{\left(v - u \cdot \frac{S_2}{S_1}\right)^2}{v}\,H$$

where q—washing liquid sprinkling concentration in the purification and cooling zone, kg/(m².s)

u—air flow velocity in the crystallization zone, m/s,

r—radius of the washing liquid droplets, m,

ρ—washing liquid density, kg/cm³,

H—length of the purification and cooling zone, m,

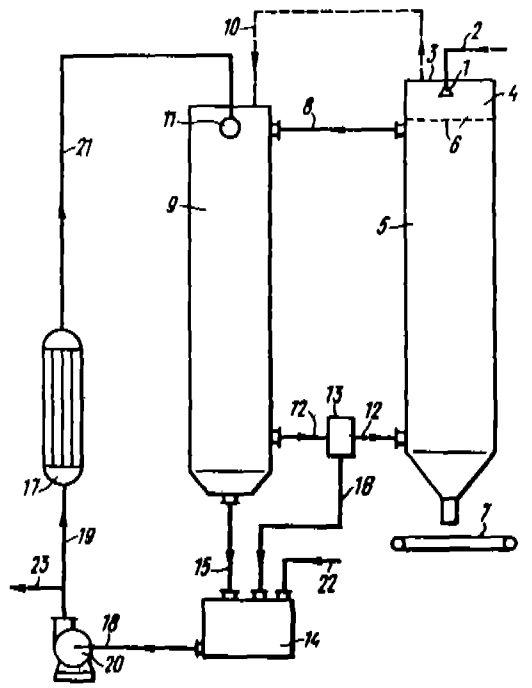
S_1—cross-sectional area of the purification and cooling zone, m²,

S_2—cross-sectional area of the crystallization zone, m²,

X—hydraulic friction coefficient of their circulation circuit reduced to the air flow velocity (u) effective in the crystallization zone,

ς—coefficient of head resistance of the washing liquid droplets,

v— velocity of the washing liquid droplets in the purification and cooling zone, m/s.



Compl. Specn. 43 Pages. Drg. 1 Sheet.

CLASS : 35-C 168324
Int. Cl. : B 28 c 5/00, C 04 b 40/00.

METHOD FOR PRODUCING CONCRETE OR MORTAR AND AN APPARATUS FOR CARRYING OUT THEMETHOD.

Applicant : KAUTAR OY, OF T-LINJA 38-A, 37800 TOIJALA, FINLAND.

Inventor : PENTTI VIRTANEN.

Application No. 369/Cal/1987 filed on 6th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

21 Claims

A method for producing concrete or mortar, in which method a hydraulically hardening binding agent is mixed with water and optionally also filler materials, in order to produce a hardened end product, characterized in that

—at least a portion of the binding agent is subjected to a hydration reaction with water for at least 1 hour, preferably for 4 to 40 hours by producing a water/binding agent paste, which contains one or several inhibitor components such as herein described capable of retarding the crystallisation of the binding agent, and

— when the binding agent achieves a degree of hydration of 10 to 90%, the filler materials, if any, are admixed with unset paste, after which the product is shaped as desired and hardened.

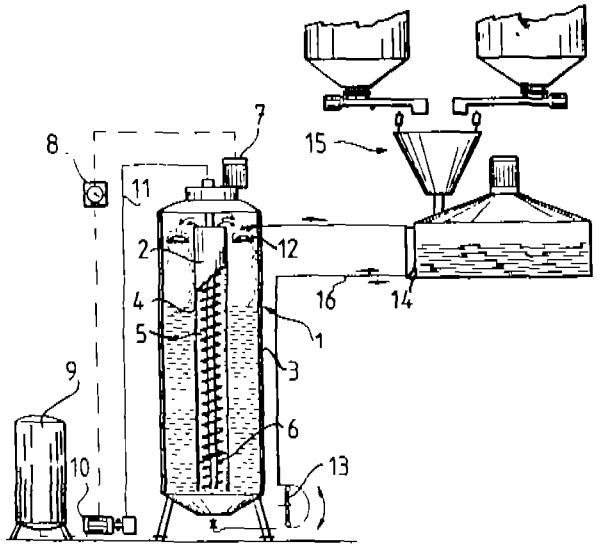


Fig. 3

Compl. Specn. 35 Pages. Drgs. 2 Sheets.

CLASS : 62-B; C1. 168325
Int. Cl. : D 06 p 3/02, 3/58, 3/79.

A PROCESS FOR DYEING OR PRINTING PATTERN ON TEXTILE MATERIALS CONTAINING ARAMID FIBERS, AND THE TEXTILE MATERIALS SO PRINTED OR DYED.

Applicant : BURLINGTON INDUSTRIES, INC., OF 3330 WEST FRIENDLY AVENUE, GREENSBORO, NORTH CAROLINA 27420, U.S.A.

Inventor : SAMIR HUSSAMY.

Application No. 370/Cal/1987 filed on 6th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A process of dyeing or printing a predetermined pattern on textile materials containing aramid in particular poly (m-phenyleneisophthalamide) fibers comprising the successive steps of :

(a) applying a print paste, composed of a highly polar solvent selected from the group consisting of dimethylsulfoxide N, N-dimethylacetamide, N-methly-2-pyrrolidone, and mixtures thereof, the polar solvent adapted to swell the aramid fiber and introduced a dyestuff therein, at least one organic dyestuff that is soluble in the polar solvent, a print paste thickening agent compatible with both the polar solvent and the dyestuff, water and optionally at least one flame retardant, in a predetermined pattern onto the surface of the aramid textile; and

(b) drying and curing the thus printed fabric by known methods at an elevated temperature sufficient to permeate and fix the dyestuff molecules inside the aramid fibers.

Compl. Specn. 22 Pages. Drg. Nil.

CLASS : 69-Q 168326
Int. Cl. : H 01 h 73/00.

IMPROVEMENTS IN OR RELATING TO CIRCUIT-BREAKER ADJUSTABLE THERMAL TRIP UNIT.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER,PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) STEPHEN ALBERT MRENNA, (2) MICHAEL JEROME WHIPPLE.

Application No. 392/Cal/1987 filed on 15th May 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A multipole circuit breaker comprising a circuit breaker structure having a plurality of pole units, each pole unit comprising a pair of separable contacts, releasable means including a releasable arm to effect simultaneous opening of all of said pairs of contacts, trip means for each of the pole units, each trip means having a bimetal element response to the occurence of overload current conditions to effect release of the releasable means, the trip means also comprising a trip bar that is movable longitudinally of the bimetal elements, characterized in that the trip bar includes a ramp having a surface facing and spaced from each bimetal element which surface is inclined at an angle to the longitudinal axis of the trip bar, the trip bar being rotated to a tripped position when at least one of the bimetal elements moves against a corresponding ramp surface, and adjusting means associated with the trip bar for adjustably moving the trip bar longitudinally to a position corresponding to the desired thermal

rating spacing by altering the spacing between the bimetal element and the inclined surface, so that the longitudinal position of the trip bar establishes the thermal rating spacing.

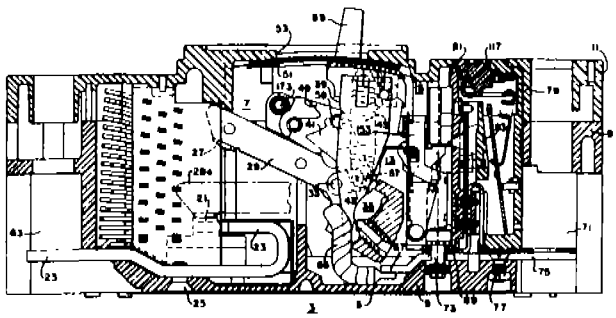


Fig. 1

Compl. Specn. 15 Pages. Drgs. 6 Sheets.

CLASS : 170-C 168327
Int. Cl. : C 09 g 1/06.

AN AQUEOUS POLISH COMPOSITION AND METHOD OF MAKING THE SAME.

Applicant : S.C. JOHNSON & SON, INC., OF 1525 HOWE STREET, RACINE, WISCONSIN 53403, U.S.A.

Inventor : OLIVER M. BROWN.

Application No. 401/Cal/1987 filed on 19th May, 1987.

(Convention dated 23rd May, 1986; No. 8612589; U.K.)

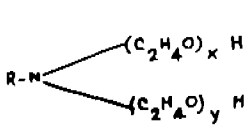
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

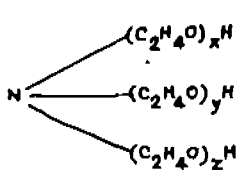
An aqueous polish composition having improved selected physical properties comprising :

from 1 to 99% by weight polymeric polish material such as herein described; and

from 0.10 to 20% by weight of an alkoxylated amine surfactant such as herein described.



Formula I



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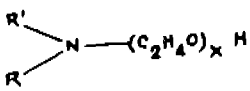

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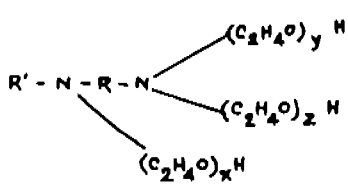

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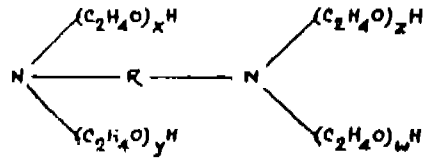

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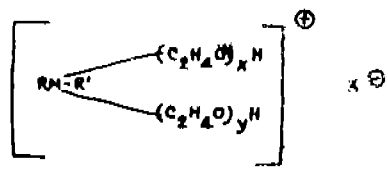

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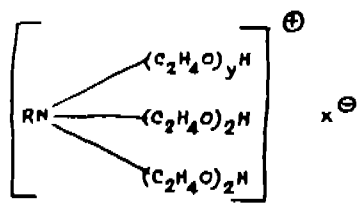
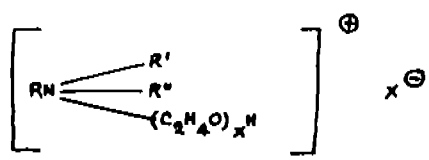
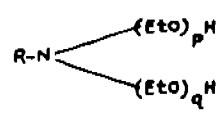


Formula VII



Formula VIII



Formula IX

Compl. Specn. 22 Pages. Drg. 1 Sheet.

CLASS : 70-C4 168328
Int. Cl. : C 25 d 1/04.

A METHOD OF PRODUCING A COMPOSITE COPPER FOIL HAVING TWO MATTE SURFACES.

Applicant : GOULD INC., 10 GOULD CENTER ROLLING MEADOWS, ILLINOIS 60008, U.S.A.

Inventor : PETER PECKHAM.

Application No. 446/Cal/1987 filed on 9th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A method of producing a copper foil having two matte surfaces, which comprises electrodepositing onto a cathodic plating drum a

first layer of copper foil, of a predetermined thickness having one matte surface and one smooth surface; removing the foil from the plating drum, and then electrodepositing a second layer of copper foil into the smooth surface of the first coper foil layer using another plating drum thereby producing a composite foil having two matte finish surfaces.

Compl. Specn. 18 Pages. Drgs. 7 sheets.

CLASS : 102-B, D & 127 I 168329
Int. Cl. : F 16 d 32/00.

A HYDRODYNAMIC COUPLING.

Applicant. VOITH TURBO GMBH & CO. KG, VOITH-STRASSE 1, D-7180 CRAILSHEIM, F. R. GERMANY.

Inventor : KARL-HEINZ DIELE.

Application No. 447/Cal/1987 filed on 9th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A hydrodynamic coupling comprising two blade carrying coupling halves which together define a toroidal operating circuit, a coupling casing connected with the one coupling half and encompassing the other coupling half and a non-rotating scoop tube which is located in a scoop tube chamber formed between the rotary casing and the other coupling half, the position of the inlet port determining the degree of filling of the hydrodynamic coupling during operation thereof characterized by a plurality of elongated depressions, provided on the coupling casing (3) rotating with the one coupling half (1) and evenly distributed on the periphery, in the form of essentially radially extending slots (7), which extend as far as a position near the radially outermost part of the scoop tube chamber (4).

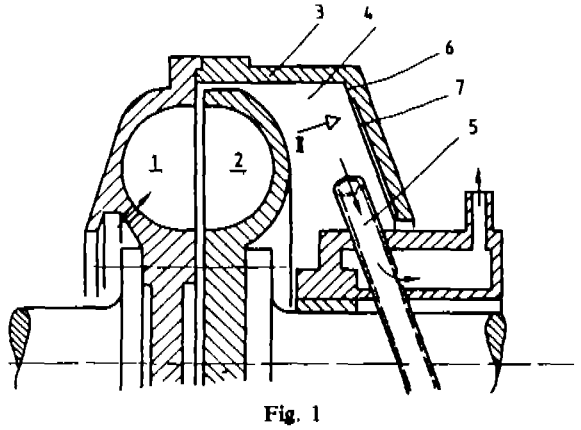


Fig. 1

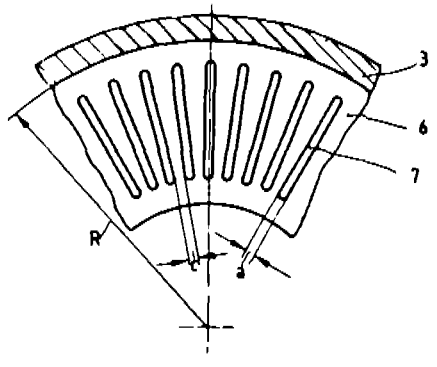


Fig. 2

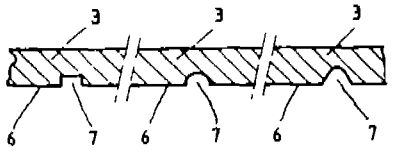


Fig. 3

Compl. Specn. 9 Pages. Drg. 1 Sheet.

CLASS : 185-C 168330
Int. Cl. : A 47 j 31/00.

TEA QUALITY ASSESSMENT MACHINE.

Applicant : LIPTON INDIA LIMITED, AT 9, WESTON STREET, CALCUTTA-700 013, WEST BENGAL, INDIA.

Inventors : (1) GOUTAM BANERJEE, (2) CHANDRASHEKHAR LAHIRI.

Application No. 458/Cal/1987 filed on 12th June, 1987.

Comp. specn left on 5th January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

25 Claims

A tea quality assessment machine comprising a turntable adapted to be driven by any conventional drive arrangement to rotate at a predetermined speed, said turntable having attached thereto a plurality of spaced apart cups which also rotate with the rotation of the turntable thereby describing a circular path, said circular path being divided into a plurality of zones to have a sequence of operations to be performed; said machine further comprising sequentially: (a) a weighing means to weigh and discharge a predetermined amount of tea on the strainers of the cups, said strainers having been placed in the cups at loading zone which precedes the weighing zone where said weighing means is provided, (b) a means for pouring predetermined amount of hot water into each cup, (c) a means, manual or mechanical, to withdraw said strainers from each cup, after each said cup traverses a section of said circular path to allow the liquor to be brewed, said section being called a brewing zone, (d) a receptacle kept proximal to each said cup for keeping the infused tea from the strainers withdrawn by means (c) at the strainer removal zone, (e) a means for pouring milk, optionally lukewarm milk, into each cup upon its emergence from the brewing zone, (f) means, mechanical or manual, for washing the cups after each cup traverses a section of said circular path to allow, if necessary after certain amount of cooling, inspection/tasting of the brewed liquor and evaluation of the infused tea by a tea-taster, and (g) a means to dry the washed cups: the duration of travel of each cup along said circular path being dependant on the time taken to carry out the specified operation and also on the taster's prescription.

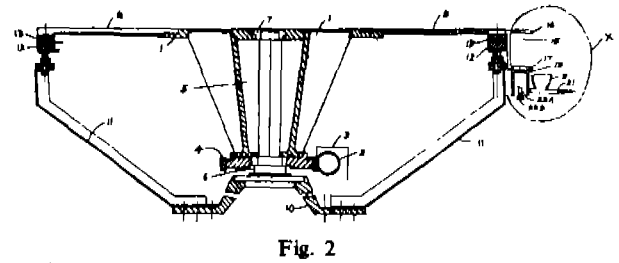


Fig. 2

Compl. Specn. 30 Pages. Drg. Nil.
Provl. Specn. 18 Pages. Drgs. 3 Sheets.

CLASS : 70-B; C_2 168331
Int. Cl. : C 25 b 11/00; C 25 c 3/06.

METHOD FOR PRODUCING INDIVIDUALLY AND PERMANENTLY DIGITALLY CODED (MARKED) PRECOOKED ANODES FOR THE ELECTROLYTIC PRODUCTION OF ALUMINIUM.

Applicant : ALUMINIUM PECHINEY, OF 23, RUE BALZAC 75008, PARIS, FRANCE.

Inventors : (1) CLAUDE VANVOREN, (2) CHRISTIAN JONVILLE.

Application No. 464/Cal/1987 filed on 15th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A method for producing individually and permanently digitally coded marked precooked anodes for producing aluminium by electrolysis of a lumina dissolved in melted cryolith according to Hall-Heroult process, said precooked anodes being obtained by hot compaction of carbonated paste from mixed tar and coke so as to shape green anodes that are than precooked, characterised in that when each green anode is compacted or immediately after such compaction, there are made in the upper part of each anode a plurality of impressions, recessed and/or relief by the manner as herein described, the whole of which constitute a digital coding of the number by which each anode can be identified from the stage where the anode is shaped by hot compaction until the final operation of recovery of the butt of the worn anode from the electrolytic cell.

Compl. Specn. 18 Pages. Drgs. 3 Sheets.

CLASS : 33-A 168332
Int. Cl. : B 22 d 11/00.

PROCESS FOR THE MANUFACTURE OF A CONTINUOUS CASTING INGOT MOULD FROM A COPPER ALLOY.

Applicant : KABEL—UND METALLWERKE GUTEHOFFNUNGSHUTTE AG., OF KLOSTERSTR. 29, D-4500 OSNABRUCK, GERMANY.

Inventor : HORST GRAVEMANN.

Application No. 479/Cal/1987 filed on 19th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

Process for the manufacture of a continuous casting ingot mould from a commercially available copper alloy comprising essentially of 0, 2 to 1, 2% by weight nickel, 0.04 to 0.25% by weight of phosphor, the rest being copper and impurities of max. 0, 2% by weight resulting from the production process, in the tempered state, comprising reshaping the alloy by hot-working, carrying out an additional solution heat treatment at a temperature between 650 and 750°C, thereafter chilling the alloy cold working by at least 10% and is finally annealing for 1 to 8 hours at a temperature between 350 and 500°C.

Compl. Specn. 10 Pages. Drg. Nil.

CLASS : 168333
Int. Cl. : H 05 g 1/46.

A DEVICE FOR SLIT RADIOGRAPHY.

Applicant : B.V. OPTISCHE INDUSTRIE "DE OUDE DELFT", OF VAN MIEREVELTLAAN 9, 2612 XE DELFT, NETHERLANDS.

Inventor : RONALD JAN GELUK.

Application No. 480/Cal/1987 filed on 19th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

24 Claims

A device for slit radiography, comprising an X-ray source; a slit diaphragm for producing a fan-shaped X-ray beam, consisting of a number of sectors situated next to each other, said X-ray source and slit diaphragm being movably mounted in a predetermined manner for scanning a body; controllable beam sector modulators for modulating the X-ray beam passing through the slit of said diaphragm; an X-ray detector together with an electrical control signal generator; a control means for controlling said beam sector modulators depending on the output of said control signal generator; characterized in that means are provided for modulating the X-ray radiation from said X-ray source in a predetermined cyclic manner for all the sectors simultaneously in synchronism with the said beam sector modulators, said synchronisation being carried out in a known manner.

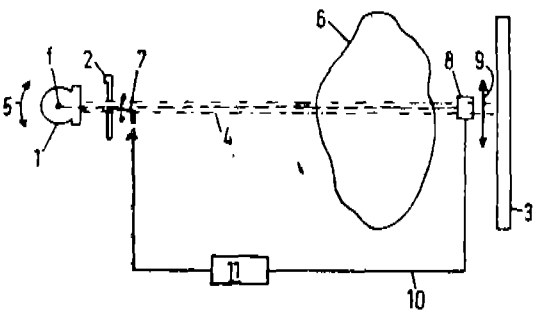


Fig. 1

Compl. Specn. 22 Pages. Drgs. 6 Sheets.

CLASS : 32-F_2 (c). 168334
Int. Cl. : C 07 c 85/00.

A PROCESS FOR PRODUCING DIMETHYLAMINE.

Applicant : E.I. DU PONT DE NEMOURS & COMPANY, AT WILMINGTON, DELAWARE, U.S.A.

Inventors : (1) LLOYD ABRAMS, (2) DAVID RICHARD CORBIN, (3) ROBERT DAY SHANNON.

Application No. 486/Cal/1987 filed on 22nd June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for producing dimethylamine, comprising contacting methanol and ammonia, in amounts sufficient to provide a carbon/nitrogen (C/N) ratio from 0.2 to 1.5 and at a reaction temperature from 250°C to 450°C, in the presence of a catalytic amount of an acidic zeolite catalyst selected from an acidic zeolite rho such as herein described, an acidic zeolite ZK-5 such as herein described and a mixture thereof, said acidic zeolite rho and acidic zeolite ZK-5 being of the type and having been prepared in the manner such as hereinbefore described.

Compl. Specn. 53 Pages. Drg. Nil.

CLASS : 144-B. 168335
Int. Cl. : C 08 l 93/00; C 09 g 1/10.

A RESIN BASED COATING COMPOSITION.

Applicant : EDLON PRODUCTS, INC., 117 STATE ROAD, AVONDALE, PA-19311, UNITED STATES OF AMERICA.

Inventors : (1) ROBERT ROBERTS, (2) STEVEN EDWARD RAU, (3) KEVIN PETER POCHOPIEN, (4) CHARLES WILLIAM PAUL, (5) ROYCE ARNOLD BUTLER, (6) ALLAN JOHN MACKINLAY, (7) HARRIS L. MORRIS, (8) RAYMOND JOSEPH WEINERT, JR.

Application No. 505/Cal/1987, filed on 30th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A coating composition comprising a major amount of resin and an amount of a property improving additive ranging from 1 to 50 weight percent of the composition,

said resin being ;

(A) a fluorocarbon resin selected from the group consisting of (1) perfluoroalkoxy tetrafluoroethylene copolymer resin (PFA), (2) ethylenechlorotrifluoroethylene copolymer resin (E-CTEE), (3) ethylenetetrafluoroethylene copolymer resin (E-TFE), (4) Poly (vinylidine fluoride) resin (PVDF), (5) tetrafluoroethyl-enehexafluoropropylene copolymer resin (FEP), (6) poly (Chlorotrifluoroethylene) resin (CTFE), or a mixture of two or more ofsaid fluorocarbon resin;

said additive being :

(B) a poly (phenylene sulfide) (PPS); or

(C) an inorganic material selected from the group consisting of nitride, an oxide, a diboride, and a carbide of silicon, or zirconium, of tungsten or of boron.

Compl. Specn. 52 Pages. Drg. Nil.

CLASS : 155-F1. 168336
Int. Cl. : B 05 d 7/02; B 29 b 15/10; C 08 j 7/06.

COMPOSITE STRUCTURES FOR USE A GAS BARRIERS AND PROCESS FOR PREPARING THE SAME.

Applicant : DU PONT CANADA INC., OF BOX 2200 STREETSVILLE, MISSISSAUGA, ONTARIO, CANADA L5M 2H3, CANADA.

Inventor : STAN JOHN MARKIEWICZ.

Application No. 510/Cal/87, filed on 1st July, 1987.

(Convention dated 17th July, 1986; No. 86 17535; U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A composite structure for use as a gas barrier comprising a base synthetic thermoplastic polymeric layer having two coatings on one side of the base layer, the first coating being adjacent the base layer and being a solvent-based urethane primer, which when dry allows an aquous dispersion or solution of polyvinyl alcohol to "wet out" the primer, in an amount in the range of from 0.3 to 3.0 g/m² of the base layer, and the second coating being placed on the exposed surface of the first coating and comprising a polyvinyl alcohol gas barrier material in an amount in the range up to 2.0 g/m² of said base layer, said second coating having been formed from a dispersion or solution, and being optionally laminated to a heat-sealable layer.

Compl. Specn. 22 Pages. Drg. Nil.

CLASS : 177-A. 168337
Int. Cl. : F 23 c 11/02

COMBUSTION BOILER.

Applicant : ASEA STAL AB., OF KOPETORP, S-581 01 LINKOPING, SWEDEN.

Inventor : JORGEN BERGKVIST.

Application No. 520/Cal/87, filed on 7th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

Method of supplying ammonia gas to boilers having at least two fluidized beds, one located above the other, for reducing the content of nitrogen oxides in the flue gas, characterized in that the ammonia gas is intermixed with secondary air and/or tertiary air which is then supplied to a plurality of individual flue gas streams following from a lower fluidized bed from below into an upper fluidized bed, distributed over the area of the upper bed, said upper bed being fluidized by means of the gas streams consisting of flue gas and secondary air and/or tertiary air, respectively, having ammonia gas intermixed therewith.

Compl. Specn. 6 Pages. Drg. 1 Sheet.

CLASS : 122. 168338
Int. Cl. : B 03 c 3/40.

CORONA DISCHARGE ELECTRODES.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

Inventors : (1) GEORG LELUSCHIKO, (2) WILLI MICHLER, (3) HERMANN KOY.

Application No. 524/Cal/87, filed on 8th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A self supporting mast corona-discharge electrode for use in a dust-collecting electrostatic precipitator having gas-passage-forming plate collecting electrodes, said self-supporting mast corona-discharge electrode comprising :

an elongated metal strip of constant width over its entire length, of nonplanar cross section and bent to have portions lying out of median plate so that said strip is intrinsically resistant to bending transverse to said median plane, said strip being formed with :

generally triangular lugs, said lugs being spaced equidistantly from one another by a predetermined longitudinal spacing and said lugs being cut out of the strip on opposite sides of a transverse plane perpendicular to said median plane and bent outwardly away from said transverse plane to lie generally in said median plane and form generally triangular flags projecting outwardly from said strip adjacent generally triangular cut outs from which said lugs are bent, said flags being spaced from one another by a predetermined longitudinal spacing, and said triangular flags having outermost projecting portions, said outermost portions of said flags constitute corona discharge tips, which are disposed on different levels an opposite sides of said median plane, the generally triangular flags on opposite sides of said transverse plane being longitudinally offset from one another by about one-half the longitudinal spacing between the flags on each side of said transverse plane; wherein

said strip has been formed to have an approximately elliptical tubular cross-section with a major axis (H) with a respective length, and a minor axis (N) with respective length, and has longitudinal edges, which overlap and are joined to each other; and wherein

said approximately triangular lugs have been bent from the approximately elliptical tubular cross-section in such a manner that they constitute said flags, which extend outwardly on both sides of the approximately elliptical tubular cross section in alignment with the major axis (H) of said cross section.

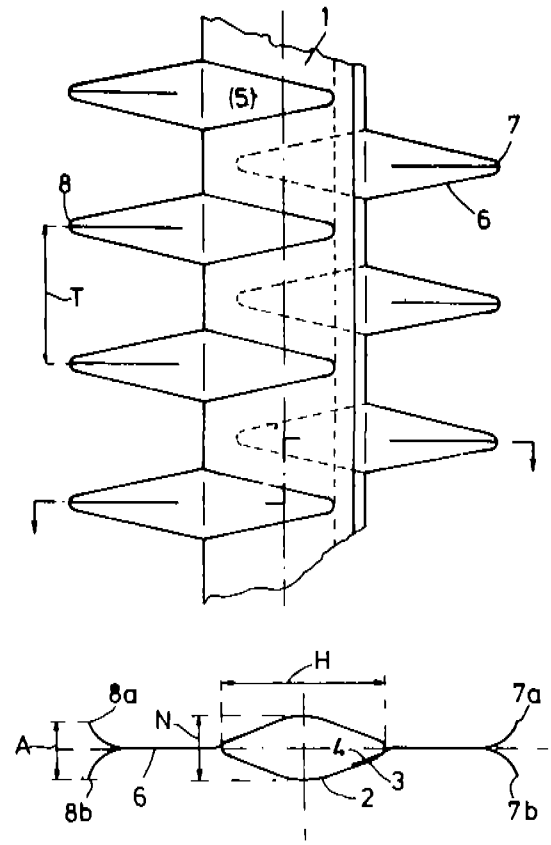


Fig. 1

Compl. Specn. 13 Pages. Drgs. 2 Sheets.

CLASS : 35-E. 168339
Int. Cl. : C 04 b 35/00.

AN IMPROVED METHOD OF PRODUCING A SELF-SUPPORTING CERAMIC BODY.

Applicant : LANXIDE TECHNOLOGY COMPANY, LP: TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19711, U.S.A.

Inventors : (1) MARC S. NEWKIRK, (2) ANDREW W.URQUHART, (3) HARRY R. ZWICKER.

Application No. 526/Cal/1987, filed on 9th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

An improved method for producing a self-supporting ceramic body with a modified metal-containing component comprising the steps of: (a) heating said parent metal in the presence of a vapor-phase oxidant to form a body of molten parent metal and reacting said molten parent metal with said oxidant at said temperature to form an oxidation reaction product, which product is in contact with an extends between said body, of molten metal and said oxidant, (b) maintaining the temperature to keep the metal molten and progressively drawing molten metal through the oxidation reaction product towards the oxidant so that the oxidation reaction product continues to form at the interface between the oxidant and previously formed oxidation reaction product, and (c) containing said reaction for a time sufficient to produce said ceramic body comprising said oxidation reaction product and an interconnected metal-containing component, which component is at least partially interconnected and at least partially accessible from at least one external surface of the ceramic body, the improvement comprising, (d) contacting said at least one external surface of said body with a foreign metal different from said parent metal, so as to create a concentration gradient between said foreign metal and said interconnected metal-containing component, said contacting occuring for a sufficient amount of time to permit inter-diffusion between said foreign metal and said interconnected metal-containing component, whereby at least a portion of said interconnected metal-containing component is displaced from said ceramic body by said foreign metal; and (e) recovering said ceramic body.

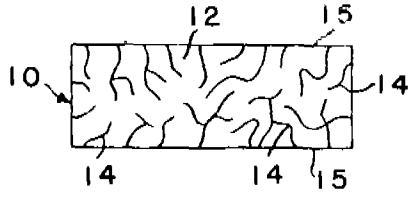


Fig. 1

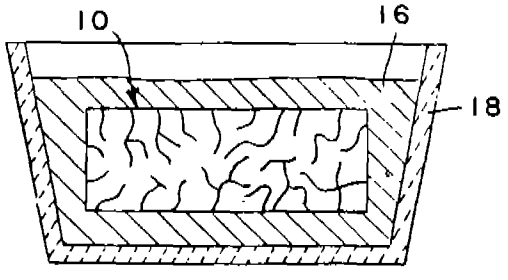


Fig. 2

Compl. Specn. 26 Pages. Drgs. 3 Sheets.

CLASS : 131-B1, 3 ; C. 168340
Int. Cl. : F 21 b 19/00.

DEVICE FOR GRIPPING AND SUSPENDING DRILL PIPE STAND.

Applicant : AZERBAIDZHANSKY NAUCHNO-ISSLEDOVATELSKY I PROEKTNO-KONSTRUKTORSKY INSTITUT NEFTYANOGO MASHINOSTROENIA AZINMASH, OF BAKU, ULITSA VOLODARSKOGO, 4, USSR.

Inventors : (1) NARIMA N GUSEIN KULI OGLY KURBANOV, (2) VAGIF ALEKPEROVICH ALI-ZADE, (3) VLADIMIR ALEXANDROVICH KARTASHEV, (4) ELDAR TARIK OGLY ZEINALOV.

Application No. 534/Cal/1988, filed on 29th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A device for gripping and suspending a drill pipe stand, comprising clamping elements hinged in a housing provided with a cut-out, a hoisting line, and a control system formed by a group of levers which are connected with the hoisting line by means of flexible pull members, one of the levers being hinged to the housing and the other levers, to the clamping elements.

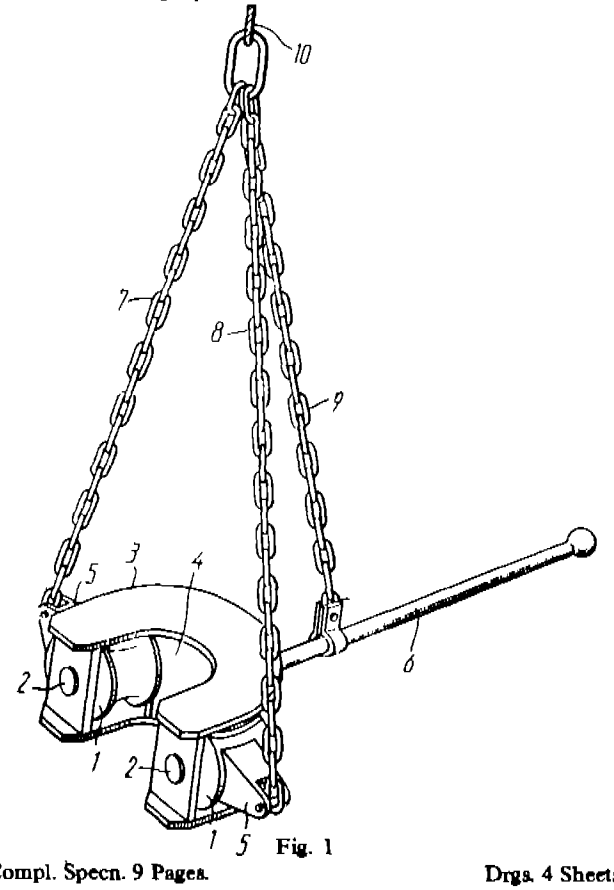


Fig. 1

Compl. Specn. 9 Pages. Drgs. 4 Sheets.

Ind. Cl. : 131 A 2. 168341
Int. Cl⁴ : C 09 K 7/00.

A PROCESS FOR THE PREPARATION OF CHROME LIGNITE FOR MAINTAINING RHEOLOGICAL PROPERTIES OF WATER BASED OIL WELL DRILLING FLUIDS IN HIGH TEMPERATURE AND PRESSURE OIL WELL DRILLING.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXXI OF 1860).

Inventors : PINAKI SENGUPTA, TAPAN KUMAR DE & AVINASH GARG.

Application for the Patent No. 36/Del/87, filed on 20th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-5.

9 Claims

A process for the preparation of chrome lignite for maintaining rheological properties of water based oil well drilling fluids in high temperature and pressure oil well drilling which comprises refluxing a slurry in water of lignite obtained from Neyvelli lignite mines with continuous and vigorous stirring, adding sodium dichromate to the slurry, refluxing the slurry with continuous stirring at a temperature100±10°C, till the amount of free dichromate is negligible adding slowly sodium hydroxide equivalent to 30% of the dry lignite with costant stirring at a temperature 100 ± 10°C, drying the slurry and grinding the dried product.

Compl. Specn. 20 Pages. Drg. Nil.

Ind. Cl. : 27 I. 168342
Int. Cl. : E 02 D 17/00.

A PROCESS AND DEVICE FOR TEMPORARILY SUPPORTING THE WALLS OF A TRENCH.

Applicant : GEODIA, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF 5 RUE D'HELIOPLIS, PARIS 75017, FRANCE.

Inventor : FRANCIS COUR.

Application for Patent No. 306/Del/87, filed on 10th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi 110005.

11 Claims

A method for temporarily supporting the walls of a trench following digging thereof in a oil, particularly an under sea bed formed of materials having low cohesion, for burying a pipe such as an oil pipeline, characterized by providing at least one means for temporarily holding the walls, formed of a closed envelope of constant predetermined length, made from a flexible and deformable material filled with a fluid at a pressure greater than the hydrostatic pressure, utilizing said means to take the place of the materials extracted from the trench as the trench advances, on which envelope the pipe rests during descent of the pipe to the bottom of the trench, and giving said envelope a structure such that the points of the outer wall of said envelope remain fixed with respect to the trench in which said envelope is placed as well as with respect to the pipe which said envelope supports, whereas the ends of said envelope are turned in one side along a longitudinal axis and open out on the other side from the inside to the outside so that the simultaneous contraction and opening out of the envelope along said longitudinal axis ensure that advance of the assembly in the manner of two superimposed caterpillar tracks, under the action of the weight exerted by the pipe, combined eventually with complementary means promoting the advance.

Compl. Specn. 18 Pages. Drgs. 3 Sheets.

Ind. Cl. : 123. 168343
Int. Cl.[4] : C05F, 11/00 & 13/00.

A PLANT GROWTH COMPOSITION AND A METHOD OF MANUFACTURING SAID COMPOSITION.

Applicant & Inventor : FRANK WESLEY MOFFETT, JR., A U.S. CITIZEN OF 944 ALLENS CREEK ROAD, ROCHESTER NEW YORK 14618, UNITED STATES OF AMERICA.

Application for Patent No. 338/Del/87, filed on 16th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

10 Claims

A plant growth composition which comprises a blend of mineral wool tufts present in an amount of 72-108 parts by weight, particles of cation exchange material selected form the group consisting of vermiculite and perlite present in an amount of 18-26 parts by weight and particles of phenol-formaldehyde resin being present in an amount of 30-47 parts by weight, said resin having an acid pH.

USES :—The Present invention relates to a plant growth media suitable for germinating seeds, growing plant and other related uses in the field of horticulture.

Compl. Specn. 16 Pages. Drg. Nil.

Ind. Cl. : 128 G XIX (2) 168344
Int. Cl.[4] : A61F 2/22.

HEART ASSIST DEVICE.

Applicant : ASTRA-TECH AB, A SWEDISH CORPORATION, OF ARSTAANGSVAGEN 1A, S-117 43, STOCKHOLM, SWEDEN.

Inventor : STIG LUNDBACK.

Application for Patent No. 424/Del/87, filed on 14th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

9 Claims

Heart assist device for insertion into the thoracic cavity of a patient, comprising a jacket for enclosing and engaging at least the ventricular portion of the patient's heart, characterised in that the jacket (10, 10a) has relatively movable inner and outer walls (11,12), said walls having a closed interspace (13, 13a) between them for holding a fluid which is displaceable within the interspace in response to relative movements of the inner and outer walls and in that at least the inner wall (11) is pliable so that it can fit snugly around the heart (H) and move together with the heart wall it engages.

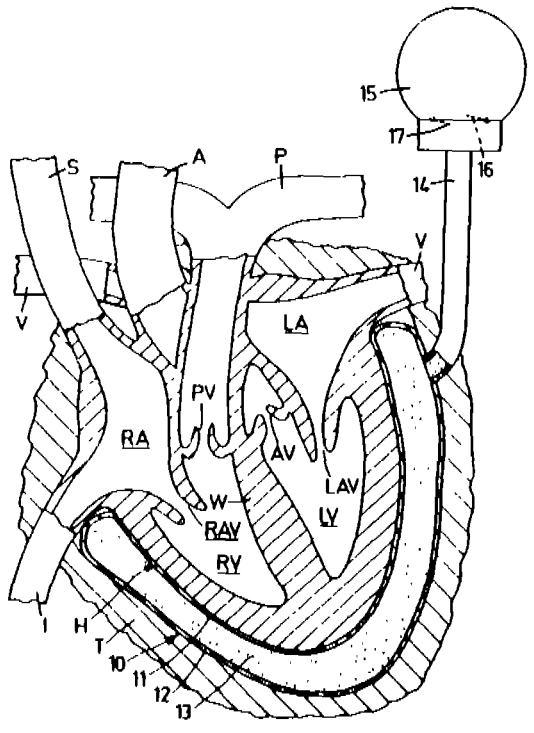


Fig. 1

Compl. Specn. 14 Pages. Drgs. 2 Sheets.

Ind. Cl. : 32 F1 [IX (1)]. 168345
Int. Cl.[4] : C07 C 25/02.

A PROCESS FOR THE PREPARATION OF PARAXYLENE DIBROMIDE.

Applicant : SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH, 19, UNIVERSITY ROAD, DELHI-110007, INDIA, AN INDIAN REGISTERED UNDER SOCIETIES ACT.

Inventors : GULZARI LAL BHALLA, RAKESHCHANDRA SOOD, AJAY KUMAR & VIJAY KUMAR SHARMA.

Application for Patent No. 705/Del/87, filed on 14th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A process for the preparation of paraxylene dibromide which comprises in preparing a reaction medium consisting of paraxylene, n-bromosuccinimide, a catalyst such as benzoyl peroxide and a solvent such as a carbon tetrachloride, heating said reaction medium to the reflux temperature for bromination subjecting the brominated product to the step of filteration under hot conditions for removal of unreacted and side products, allowing the filterate to cool so as to allow paraxylene dibromide to separate therefrom.

Compl. Specn. 5 Pages. Drg. Nil.

Ind. Cl. : 32 F1. 168346
Int. Cl.[4] : C07D 307/91.

IMPROVED PROCESS FOR THE MANUFACTURE OF ERYTHROSCINE/EOSIN FROM FLUORESCEIN.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : PAYYALLUR NARAYANAN ANANTHARAMAN & MICHAEL NOEL.

Application for Patent No. 783/Del/87, filed on 7th September, 1987.

Complete Specification left on 7th December, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

An improved process for the manufacture of erythroscine/eosin from fluorescein which comprises halogenating an anolyte consisting of a suspension of fluorescein in an inorganic solvent selected from 10% solution of sodium bicarbonate or 10% solution of sodium carbonate with equivalent amount of boric acid alongwith iodine or sodium bromide, the catholyte being 10% solution of sodium bicarbonate or sodium carbonate in a divided cell having ceramic diaphram, ss. cathode & graphite, lead dioxide deposited graphite or RUO_2 coated titanium anode, employing current density of 3.5—7A/dm^2 at a temperature between 30—40°C for 3—6 hrs filtering the resulting solution to remove impurities, neutralising to pH2 followed by further filtering, washing the residue with water and drying the erythroscine/eosin at a temperature below 120°C.

Provisional Specn. 8 Pages. Drg. Nil.
Compl. Specn. 9 Pages.

Ind. Cl. : I-E [XLII(1)]. 168347
Int. Cl. : A23L—1/195, C08B—30/04, 30/20.

A PROCESS FOR PRODUCING STARCH FROM CEREALS.

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, P.O.B. 9312, STAMFIRD, CONNECTICUT, 06904, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, ENGINEERS.

Inventors : ANNTI LEHMUSSAARI & WIM VAN DER HAM.

Application for Patent No. 951/Del/87, filed on 30th October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

A process for producing starch from cereals, characterised in that it comprises the consecutive steps of :

(a) subjecting in any conventional manner, dry-ground dehusked grains to a treatment with enzymes of the kind such as herein described such that the compounds present in the grains, except starch, are hydrolyzed and solubilized,

(b) extracting in any conventional manner, the starch from the product obtained, leaving fibers,

(c) concentrating in any conventional manner, the starch giving a crude starch fraction and a process water fraction,

(d) separating in any conventional manner, proteins from the starch obtained, and

(e) separating in any conventional manner, the crude starch into primary and secondary starch concentrations.

Compl. Specn. 10 Pages. Drg.1 Sheet.

Ind. Cl. : 90. 168348
Int. Cl. : B32B 17/00, C03C & 17/06.

A PROCESS FOR THE MANUFACTURE OF A GLASS FABRIC LAMINATE HAVING A METALLIC COATING THEREON FOR MANUFACTURING MEGNETIC LAMINATE.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED OF BHEL HOUSE, SIRIFORT, NEW DELHI-110049, INDIA, AN INDIAN COMPANY.

Inventor : PARAVASTU PATTHARABHIRAN VARADA CHARYULU.

Application for Patent No. 980/Del/87, filed on 17th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

A process for the manufacture of a glass fabric laminate having a metallic coating thereon for manufacturing megnetic laminates comprising in applying a coating of a resin mix of the kind as herein described onto a glass fabric sheet, sprinkling a metallic powder such as iron and/or nickel powder onto said coating of the resin mix as herein described, precuring said fabric sheet at a temperature of 110°C—140°C, forming laminate by stacking a plurlaity of said precured sheets one over the other and then pressing the said laminate at a temperature of 150°C to 180°C and at a pressure as herein described, and subjecting such a pressed laminate to the step of post curing at a temperature of 150°C—180°C.

Compl. Specn. 8 Pages. Drg. Nil.

Ind. Cl. : 32 F. 1. [IX(1)]. 168349
Int. Cl.[4] : A01N 29/02 & C07C 121/6.

A PROCESS FOR THE PREPARATION OF 2, 4, 4, 4—TETRACHLOROBUTYRONITRILE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERTED BODY INCORPORATED UNDER THE REGISTRATION SOCIETIES ACT (ACT XXI OF 1860).

Inventors : NAGARAJ RAMANUJ AYYANGAR, PRAMOD PRABHAKAR MOGHE & SHANTARAM NARAYAN NAIK.

Application for Patent No. 1152/Del/87, filed on 31st December, 1987.
Complete specification left on 27th December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

A process for the preparation of 2, 4, 4, 4—tetrachlorobutyronitrile which comprises homolytic addition of carbon tetrachloride to acrylonitrile in the presence of catalysts such as herein described and crown ether analogs at atmospheric pressure and low temperature in the range of 25—100°C

Compl. Specn. 12 Pages. Drg. 1 Sheet.

Ind. Cl. : 32 F$_2$(b) [IX(1)] 168350
Int. Cl. : C07 D 215/00.

A PROCESS FOR PREPARING A 2—QUINOXALINOL COMPOUND.

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

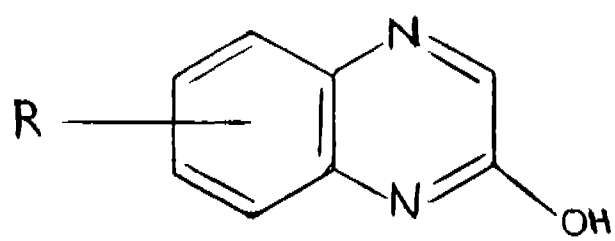
Inventor : RUSSELL EDWARD MALZ.

Application for Patent No. 449/Del/88, filed on 20th May, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

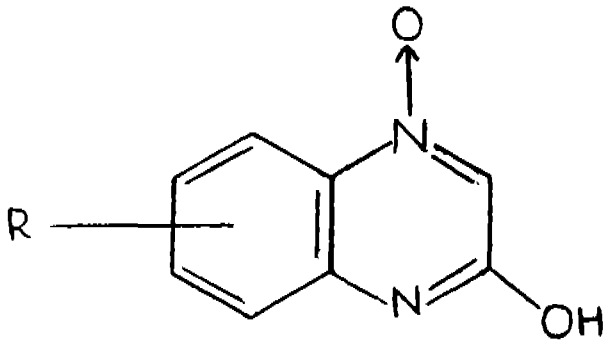
4 Claims

A process for preparing a 2—quinoxalinol compound of the Formula I shown in the accompanying drawings



Formula I

wherein R is hydrogen, halogen or trihalomethyl; which process comprises reducing a 2—quinoxalinol—4—oxide compound of the formula II of the drawings



Formula II

wherein R is as defined above, with hydrogen characterised in that said reduction is carried out in the presence of at least one catalyst selected from the group consisting of platinum, rhodium, ruthenium and nickel at between 20° and 150°C and at between 6 and 60 atmospheres the amount of said catalyst being from 0.01 to 100 parts by weight per 100 parts by weight of said 2—quinoxalinol—4—oxide.

USES :—The product of invention are well known intermediates for the production of pharmaceutically and agriculturally effective compounds.

Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 105 C [GROUP XLI (7)] 168351
Int. Cl.[4] : G 01 P 3/36, G 01 P 3/42.

AN ENCODER.

Applicant : MUIRHEAD VACTRIC COMPONENTS LIMITED, A BRITISH COMPANY OF 34 CROYDON ROAD, BECKENHAM, KENT BR3 4BE, ENGLAND.

Inventor : DAVID AUBREY GARRETT.

Application for Patent No. 674/Mas/86, filed on 21st August, 1986.

Convention dated 22-8-1985 No. 8521099 (Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

10 Claims

An encoder comprising transducer means providing two analogue signals, analogue to digital conversion means for converting the said analogue signals to digital words each having a plurality of bits, a memory device in which the results of interpolation for particular combinations of values of the analogue signals are pre-stored at respective addresses, and memory addressing means into which the digital words are input so as to cause the corresponding pre-stored results to be output from the memory device.

Compl. Specn. 27 Pages. Drgs. 5 Sheets.

Ind. Cl. : 40 F [GROUP—IV(1)] 168352
Int. Cl.[4] : C 02 F 1/58; 1/66

A PROCESS FOR THE TREATMENT OF EFFLUENTS FROM TEXTILE MILLS EMPLOYING THE LIQUID EFFLUENT FROM SULPHATE ROUTE TITANIUM DIOXIDE PLANTS.

Applicant & Inventor : PARAMESWARAN PILLAI, SIVASANKARA PILLAI, TC 15/20, RAMACHANDRA VILAS, VEELAYAMBALAM, TRIVANDRUM-695 010, AN INDIAN CITIZEN.

Application and provisional specification No. 729/Mas/86, filed on September 12, 1986.

Complete Specification left December 11, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

A process for purifying the Textile Mill effluent by detoxifying and decolourising, comprising the steps of admixing the said effluent with the effluent from 'Sulphate Route' Titanium Dioxide Plant containing 17 to 18% Sulphuric Acid, 16 to 17% Ferrous Sulphate and 1 to 3% Titanyl Sulphate allowing the resultant precipitated particles to settle to form a thickened sludge, and removing the said sludge by known means.

Prov. 4 Pages.
Compl. Specn. 13 Pages. Drg. Nil.

Ind. Cl. : 45 B_1, 45 E [GROUP II (1)] 168353
Int. Cl.[4] : E 03 D 9/02

A DISPENSER CAPABLE OF DISPENSING A QUANTITY OF DISPENSABLE MATERIAL INTO A LIQUID MEDIUM.

Applicant & Inventor : JOHN INGRAM PECKSTON, NEW ZEALAND CITIZEN, OF 4 QUENNELL AVENUE, MANGERE, AUCKLAND, NEW ZEALND.

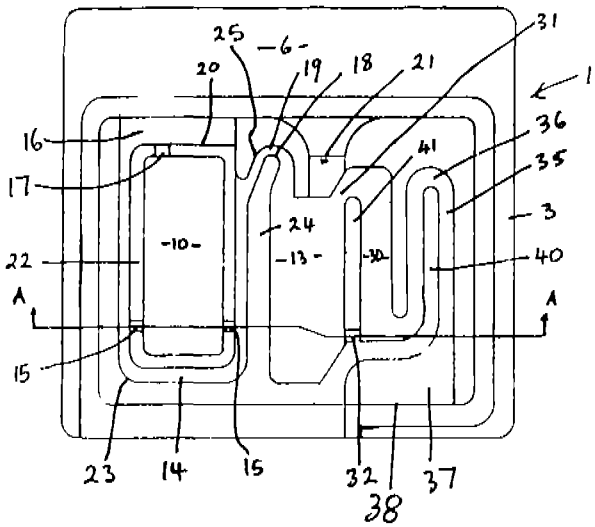
Application No. 742/Mas/86, filed on 19th September, 1986

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

8 Claims

A dispenser capable of dispensing a quantity of dispensable material into a liquid medium, when the said dispenser is placed in the said liquid medium and the level of the said liquid medium is lowered to a pre-determined level comprising, a body having a storage chamber capable of containing dispensable material; a dilution chamber in said body for retaining said dispensable material in a dilute state; a conduit in said body communicating the said storage chamber with the said dilution chamber and having an airlocking means for providing an airlock in said conduit; said dilution

chamber has an outlet and an inlet; said outlet connected to a flow controlling means for controlling the flow of fluid therethrough and said inlet admits fluid to said dilution chamber.



Compl. Specn. 14 Pages. Drgs. 4 Sheets.

Ind. Cl.: 150-C—[GROUP-XLVIII(1)] 168354
Int. Cl.[4]: F 16 L 15/00

PIPE JOINT.

Applicant: SANDVIK AB, S—811 81 SANDVIKEN, SWEDEN, A SWEDISH COMPANY.

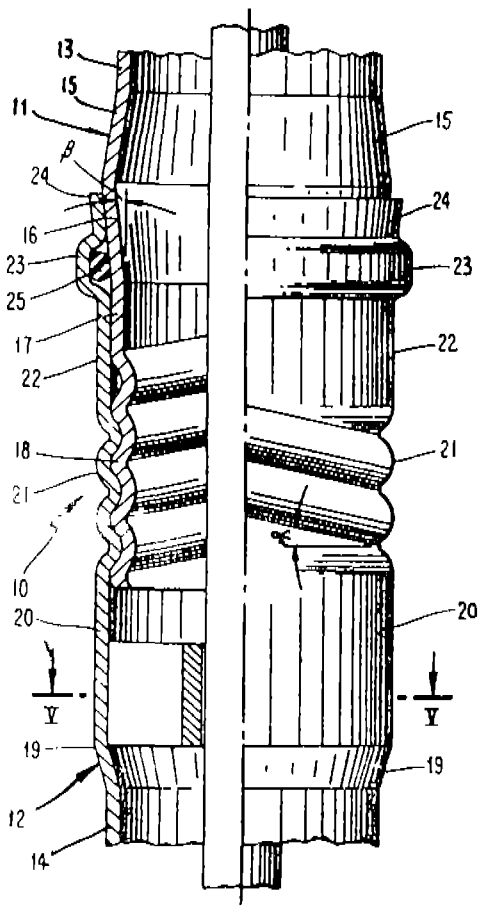
Inventor: ALVAR TORSTEN WESTBERG.

Application for Patent No 828/Mas/86, filed on 21st October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

8 Claims

A pipe joint between a first thin-walled pipe (13) and a second thin-walled pipe (14) comprising a first pipe end (11) adapted to be inserted into and being rotated in relation to a second pipe end (12), said pipe ends being provided with matching thread portions (18, 21) for mutual engagement, said second pipe end (12) being provided with a thread portion (21) the wall thickness of which is substantially identical with the wall thickness of said second pipe (14), said second pipe and (12) having a conically enlarged portion (24) axially outwards, said first pipe end (11) having a thread (18) with a wall thickness substantially identical with the wall thickness of said first pipe (13) whereby an axially inner portion (16) of said first pipe end being at least partially conically decreasing towards the thread (18), a seal ring (25) received in an annular extension (23) provided in said second pipe end (12) near its conically enlarged portion (24), said seal ring (25) being arranged so as to tighten between the interior surface of said extension and the conical portion (16) of said first pipe end (11), and said second pipe end (12) being provided with extension means (19, 23) for engagement with a holding tool.



Compl. Specn. 9 Pages. Drg. 1 Sheet.

Ind. Cl.: 118-B6 & 160-C [GROUPS-KLV (2) & LII (3)] 168355
Int. Cl.[4]: B 62 D 55/24.

AN ENDLESS TRACK FOR TRACKED VEHICLES

Applicant: ALTRACK LIMITED, FORMERLY KNOWN AS ALTRACK PTY, LTD., OF 4TH FLOOR, 160 ST. GEORGE'S TERRACE, PERTH IN THE STATE OF WESTERN AUSTRALIA, COMMONWEALTH OF AUSTRALIA, A COMPANY INCORPORATED IN THE STATE OF WESTERN AUSTRALIA.

Inventor: ALAN ROBERT BURNS.

Application for Patent No. 830/Mas/86, filed on 22nd October, 1986.

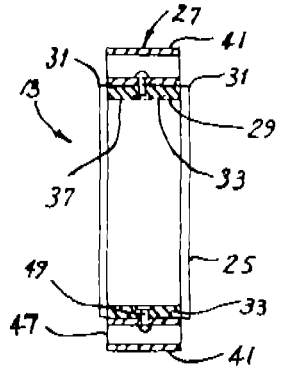
Convention dated 15th November, 1985; (No. PH 03441; Australia).

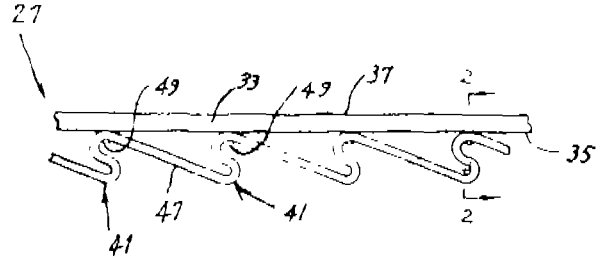
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

9 Claims

An endless track for tracked vehicles comprising an endless flexible band having an inner surface and an outer surface, and a

plurality of elongated tread elements provided in spaced relationship on the outer surface of the band and extending transversely of the direction of travel of the track, each tread element being of resiliently deformable construction and being hollow thereby to define a cavity, said cavity being unpressurised and open to atmosphere.





Compl. Specn. 11 Pages. Drgs. 3 Sheets.

Ind. Cl. : 164 A [GROUP II (3)] 168356
Int. Cl.[4] : C 02 F 11/00

A REACTOR FOR TREATING LIQUID EFFLUENT.

Applicant : DEGREMONT, A FRENCH BODY CORPORATE, OF 183 AVENUE DU 18 JUIN 1940, 92508 RUEIL-MALMAISON CEDEX, FRANCE.

Inventors : (1) JEAN DUROT & (2) CLAUDE PREVOT.

Application No. 860/Mas/86, filed on 4th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

16 Claims

A reactor for treating liquid effluent comprising :—

(a) means (3) for introducing said liquid effluent;

(b) means (10) for introducing gas;

(c) means (5) for passing said liquid and gas to the fluidization zone (2) consisting at least one orifice and at least one substantially horizontally extending plate having a supple membrane wherein the said plate, the said membrane and orifice together constitute a valve;

(d) a bed of at least one inert granular material such as herein described in the fluidization zone (2) wherein said gas entrains said granular material; and said gasified liquid passes through said bed of granular material to produce a three-phase liquid-gas-granular material mixture;

(e) an upper triphase separation portion comprising;

(i) means for degasing (7) said three-phase liquid-gas-granular material mixture;

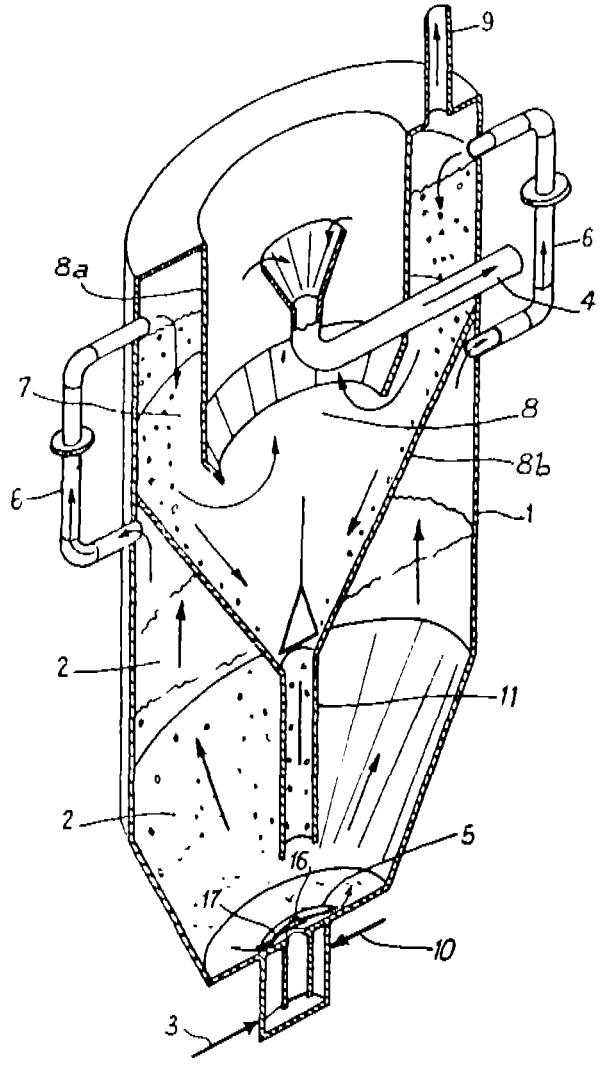
(ii) means (8a) for separating said granular material entrained in said liquid and granular material mixture;

(iii) means (4) for discharging the separated liquid from zone (8);

(iv) means (11) for recycling separated granular material from zone (8) to zone (2).

(f) transport means (6) for transporting the three-phase mixture from the top of the fluidization zone (2) into the said upper portion of the reactor;

(g) means (9) for recovering and recycling the gas.



Compl. Specn. 25 Pages. Drgs. 4 Sheets.

Ind. Cl. : 172 C_1 [GROUP XX] 168357
Int. Cl.[4] : D 01 G 15/10

A DEVICE FOR REMOVING A FIBRE MAT LEAVING A PAIR OF ROLLERS AND FORMING IT INTO A SLIVER.

Applicant : SCHUBRET & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 IGNOLSTADT, GERMANY, A GERMAN COMPANY.

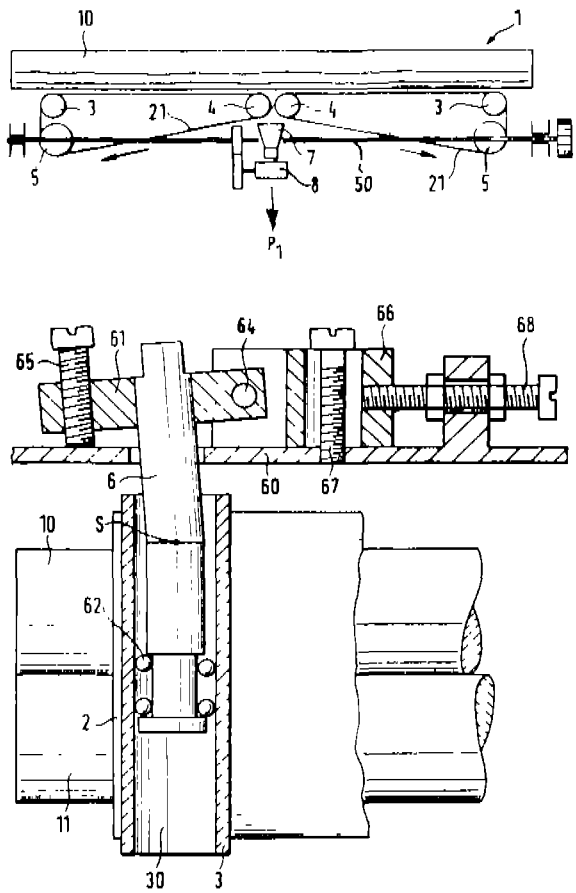
Inventor : MAXIMILIAN FAHMUELLER.

Application No. 879/Mas/86, filed on 11th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

10 Claims

A device for removing a fibre mat leaving a pair of rollers and forming it into a sliver, comprising at least one endless belt guided by a first and second guide pulley and touching the pair of rollers across their delivery width, wherein the axes of the guide pulleys are mounted in a bearing for changing the usual position of the guide pulleys so that they can follow at a constant distance from the pair of rollers (10, 11) a change in the position of the axes of the rollers relative to one another, by inclining the axes of the guide pulleys according to the said change, and that the conveyor belt is guided by a drive pulley pivoted at a distance from the plane (A) joining the axes of the guide pulleys.



Compl. Specn. 10 Pages. Drgs. 3 Sheets.

Ind. Cl. : 206 A [GROUP LXII] 168358
Int. Cl.[4] : H 01 Q 17/00

A POLYDIRECTIONAL TELEVISION ANTENNA.

Applicant : CHEERAMBAN VERGHESE JOHN, 17 K.P.R. LAYOUT, SINGANALLUR P.O., COIMBATORE 641 005, TAMIL NADU, INDIA, INDIAN NATIONAL.

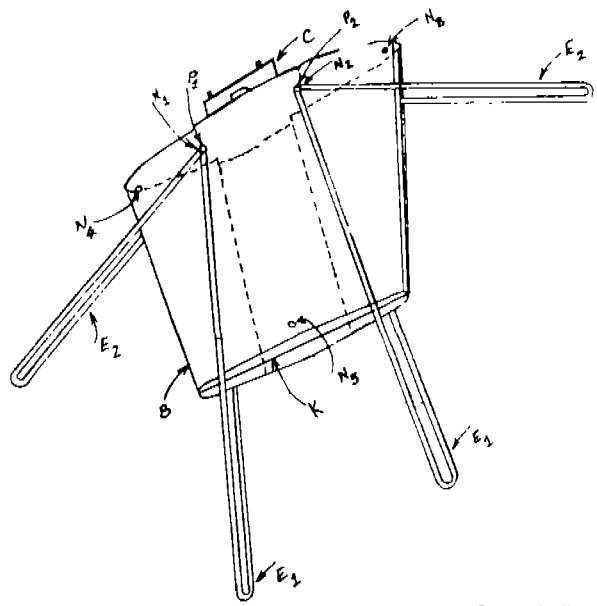
Inventor : CHEERAMBAN VERGHESE JOHN.

Application No. 441/Mas/88, filed on 27th June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

9 Claims

A polydirectional television antenna comprising a box housing a booster hudge; two pairs of antenna elements of unequal lengths pivotably fixed in spaced relationship to the upper and lower outer surfaces of the box whereby the directions of the said elements are angularly variable; a clamp provided at one end of the box for attachment to a pole for positioning the box at the desired elevation, the booster hudge being electrically connected to the antenna elements and to two antenna cable terminals provided on one of the outer surfaces of the box.



Compl. Specn. 8 Pages. Drgs. 3 Sheets.

Ind. Cl. : 146-D_1—[GROUP-XXXVIII(2)] 168359
Int. Cl.[4] : G 02 B 26/00.

INTEGRATING CAVITY FOR SENSING A PARAMETER OF AN OBJECT IN A CENTRAL ZONE THEREOF.

Applicant : SPANDREL ESTABLISHMENT, STAEDTLE 36, 9490 VADUZ, LIECHTENSTEIN, A LIECHTENSTEIN COMPANY.

Inventors : (1) CHRISTOPHER MARK WELBOURN, (2) MARTIN PHILLIP SMITH, (3) ANDREW DAVID GARRY STEWART.

Application No. 889/Mas/88, filed on 14th December, 1988.

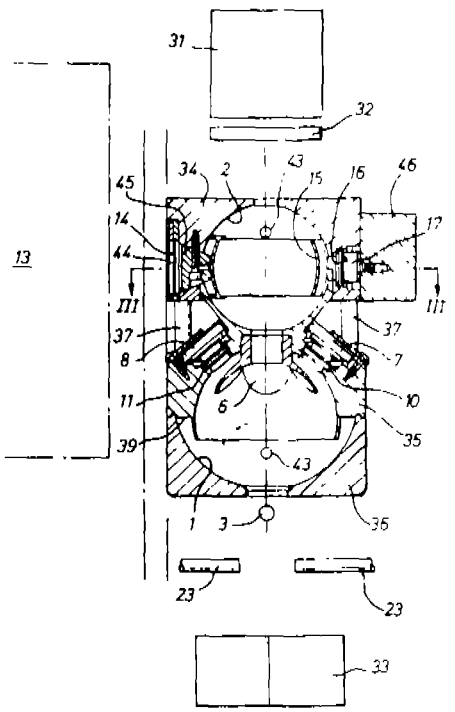
Convention date : October 5, 1984; (No. 8425274; Great Britain).

Divisional to patent No. 166216; (781/MAS/85); Ante-dated to October 4, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

4 Claims

An integrating cavity for sensing a parameter of an object in a central zone thereof, the interior of the integrating cavity having an annular step around its central zone and means being provided for illuminating with electromagnetic radiation the interior of the integrating cavity, the illuminating means being distributed around the step and projecting radiation generally axially of the annulus defined by the step such that the radiation strikes a surface in the integrating cavity before entering the central zone.



Compl. Specn. 8 Pages. Drgs. 3 Sheets.

Ind. Cl. : 33-F—[GROUP-XXXIII(3)] 168360
Int. Cl.[4] : B 22 C 9/00.

UNITARY, RIGID, SELF-SUPPORTING, GAS PERMEABLE, LOW TEMPERATURE BONDED, SAND GRAIN MOLD WITH GAS COLLECTION VOIDS.

Applicant : GENERAL MOTOR CORPORATION, A DELAWARE CORPORATION OF 3044 WEST GRAND BOULEVARD, DETROIT, MICHIGAN, U.S.A.

Inventor : GEORGE D CHANDLEY.

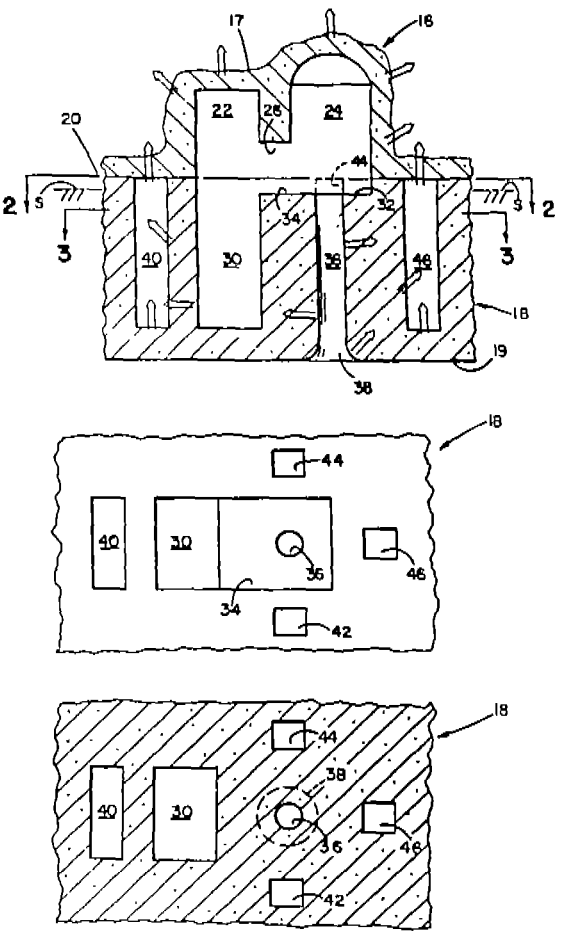
Application No. 896/Mas/88, filed on 16th December, 1988.

Divisional to Patent No. 164747; (365/MAS/85); Ante-dated to May 14, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

A unitary, rigid, self-supporting, gas permeable, low temperature bonded, sand grain mold with gas collection voids, having peripheral side surfaces extending between vertically spaced upper and lower surfaces with; a mold cavity spaced therebetween connected to a gate passage having its lower open end exposed at said lower surface, said mold cavity being adapted to be filled with molten metal through said gate passage by applying reduced pressure to the top of said mold while the lower open end of its lower surface of said gate passage is submerged in molten metal, said mold comprises a gas permeable upper and lower mold halves adhesively secured together in a generally horizontal mold parting plane with said upper and lower surfaces vertically spaced on opposite sides of said mold parting plane, said lower mold half having lower mold half cavity extending to said generally horizontal mold parting plane, lower mold half gate passage having its lower open end exposed at said lower mold surface, and at least one lower mold half gas collection void extending to said generally horizontal mold parting plane adjacent to and spaced from said lower mold half cavity, lower mold half gate passage and lower surface of the lower mold half, said upper mold half covering said lower mold half void to provide enclosed gas collection void adjacent to and spaced from said cavity, gate passage and upper and lower mold surfaces for collecting gases from said cavity and gate passage during filling of said cavity.



Compl. Specn. 15 Pages. Drgs. 2 Sheets.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration in the entry.

Class 1. No. 162309. Metro Appliances Pvt. Ltd., B-12 & 13, Sector 4, Noida (UP), India, Indian Company. "Ceiling Fans". July 10, 1990.

Class 1. No. 162406. Madhu Products, Opp. St. Pius College, Aarey Road, Goregaon (East), Bombay-63, Maharashtra, India, Indian Proprietary Concern. "Hair Pin". August 7, 1990.

Class 1. No. 162576. Peico Electronics & Electricals Ltd. of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Company. October 15, 1990.

Class 1. No. 162587. Canan Domestic Appliances, 101, Shantinath, Link Road, Dahisar (E), Bombay-68, Maharashtra, India, Indian Proprietary Concern. "Gyser". October 23, 1990.

Class 1. No. 162699 & 162700. M.K. Electric Limited, British Company of Shrubbery Road, Edmonton, London, N9 OPB, England. "Front Plate to receive Electrical Modular Component". November 30, 1990.

Class 1. No. 162423. Metro Tyres Limited of B-27, Focal Point, Ludhiana-10 (Punjab), India, an Indian Company. "Cycle Tyres". August 17, 1990.

Class 1. No. 162573. Mauser-Werke GmbH of Schildgesstr, 71-163, 5040 Bruhl, Germany, German Company. "Barrel". October 15, 1990.

Class 1. No. 162574 & 162575. Peico Electronics & Electricals Limited of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Company. "Lightning Fixture". October 15, 1990.

Class 1. No. 162578. Peico Electronics & Electricals Limited of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Company. "End Cover for a lighting Fixture". October 15, 1990.

Class 1. No. 162698. M.K. Electric Limited, British Company of Shrubbery Road, Edmonton, London, N9 OPB, England. "Electric Switch". November 30, 1990.

Class 1. No. 162718. Wimco Pen Company, 11, Mehta Industrial Estate, 1st floor, I.B. Patel Road, Goregaon (East), Bombay-63, Maharashtra, India, Indian Partnership Firm. "Tiffin Carrier". December 4, 1990.

Class 1. No. 162727. Pidilite Industries Ltd., Indian Company, Regent Chambers, 7th floor, Jamnalal Bajaj Marg, Nariman Point, Bombay-400021, Maharashtra, India. "Adhesive melting and discharging gun". December 6, 1990.

Class 1. No. 162768. N.V. Philips' Gloeilampenfabricken of Groenwoudseweg 1, Eindhoven, The Netherlands. "Dry Shaver". December 18, 1990.

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